



COPY

Lodge Environmental Inc.

2084 A Roosevelt Blvd. EUGENE, OREGON 97402 541.461.8001 FX. 541.461.5453 CCB#119557
ASBESTOS – MOLD – METH LAB – HAZMAT – LEAD PAINT – CRIME SCENE – SEWAGE - INSPECTIONS

Asbestos Survey Report

April 20, 2016

Gordon Goodell
(b) (6)
Cottage Grove, Oregon 97424

RE: **85961 Edenvale Rd.**



ROUTE TO: PDF
KS
CMW
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Marlyn JM
EI #
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To Whom It May Concern:

On May 18th, 2015 an agent of Lodge Environmental Inc. entered the residential property located at **85961 Edenvale Rd. Pleasant Hill, Oregon 97455** and conducted an asbestos building materials survey. Gordy requested a survey for demolition.

The purpose of the survey was to determine the presence of friable and/or non-friable asbestos containing building materials by 1) Visually identify materials suspected of containing asbestos, 2) Collect samples of the suspected materials, and 3) package, ship and submit the samples to a NVLAP accredited laboratory for asbestos content analysis.

During the survey, each sample was collected directly from the source area by cutting a portion of the suspected material from the homogeneous area. Each suspected asbestos containing material was individually placed in a plastic container with sample identification, sealed and then placed into a second container. The samples were then shipped via FEDEX to Triangle Services. Triangle services defines a sample as having 3 or less layers. A sample with more three will be charged for every three layers as an individual sample.

This survey is not an AHERA regulated or K-12 school survey. The samples were taken on the direction of the client due to the need or nature of the construction and/or demolition. Areas of the structure where no reconstruction will occur were not inspected and may contain SACM. Large homogeneous areas will have more than one sample taken to ensure that they are representative of the material.

All suspect asbestos containing material (SACM) bulk samples were submitted to and analyzed by a 3rd party independent laboratory in accordance with Federal Environmental Protection Agency (EPA) methods 9000 & 9002 Polarized Light Microscopy (PLM) protocols. The following is a list of materials that were SACM and analyzed for asbestos:



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Sampling performed on: 4/18/2016

Asbestos analysis:

Sample ID #	Location	Material	% Asbestos
LE-001	Kitchen/ Utility Room/ North Bedroom – Floor	Vinyl	NAD
LE-002	Exterior Windows/ Doors	Sealant/ Putty	5%
LE-003	Roof	Paint On Roofing	8%

Recommendations:

1. Professional asbestos abatement contractor services **are** required prior to demolition.

Oregon Department of Environmental Quality (DEQ) regulations state:

Division 248 (340-248-0010) Definitions

(8) "Asbestos-containing material (ACM) means any material, including particulate material, that contains more than one-percent asbestos as determined using the method specified in 40 CFR Part 763 Appendix E, Subpart E, Section 1, Polarized Light Microscopy (PLM)."

(25) "Friable asbestos material" means any asbestos-containing material that hand pressure can crumble, pulverize or reduce to powder when dry.

(32) "Open accumulation" means any accumulation, including interim storage, of friable asbestos material or asbestos-containing waste material other than material securely enclosed and stored as required by this division.



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LRAPA - Title 43 - Asbestos Requirements (concerning owner performed asbestos abatements)

- (1) Asbestos abatement conducted inside or out of a single private residence by the owner is exempt from 43-015-10.A, if the residence:
 - (a) is not used as a rental property;
 - (b) is not used as a commercial business;
 - (c) is not intended to be demolished.
- (2) Asbestos abatement conducted inside a single private residence by the owner-occupant is exempt from 43-015-8 through 43-015-11.

No other obvious ACM was present during the inspection of the building. However, if ACM not previously identified is encountered during the building, remodeling or demolition activities, Lodge Environmental Inc. recommends that upon discovery of asbestos materials found during demolition, the owner or operator performing the demolition must:

- (1) Stop demolition work immediately;
- (2) Notify the Authority immediately of the occurrence;
- (3) Keep the exposed asbestos-containing materials and any asbestos-contaminated waste material adequately wet at all times until a licensed asbestos abatement contractor begins removal activities; and
- (4) Have the licensed asbestos abatement contractor remove and dispose of the asbestos containing waste material.

Contractors and owners should be aware of the potential for hidden asbestos containing materials and have pre-planned contingencies for the handling of ACM discovered during renovation/demolition activities.

Please note: The owner or operator of a facility that requires a survey pursuant to (LRAPA regulation 43-015-10.A) must keep a copy of the survey report onsite at the facility during any demolition or renovation activity.

Respectfully submitted,

Micah B. Wren

Micah B. Wren

Asbestos Building Inspector #: 155217

Asbestos Supervisor #: S-13944

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TRIANGLE ENVIRONMENTAL SERVICE CENTER, INC.

13509 East Boundary Road, Suite B, Midlothian, VA 23112
804-739-1751 • fax: 804-739-1753

BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: Lodge Environmental Inc.
2084 A Roosevelt Blvd.
Eugene, OR 97402

TESC LOGIN #: 160419A

DATE OF RECEIPT: 4/19/2016
DATE OF ANALYSIS: 4/19/2016
DATE OF REPORT: 4/19/2016

CLIENT JOB:

JOB SITE: 85960 Eden Vale Rd. #31 Peasant Hill OR

ANALYST: F. Jiang

TESC SAMPLE #	CLIENT SAMPLE ID & GROSS DESCRIPTION	ESTIMATED % ASBESTOS	NON ASBESTOS % FIBERS	NON FIBROUS % MATERIALS
1A	LE-001 - Tile / Brown vinyl	NAD		100%
1B	LE-001 - Linoleum / Yellow linoleum, gray fibers	NAD	15% Cellulose	85%
2	LE-002 / White adhesive	5% Chrysotile		95%
3	LE-003 / Black adhesive	8% Chrysotile		92%

Total Samples/Layers Analyzed: 4

Samples are analyzed in accordance with "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", EPA 600/M4-82-020, Dec. 1982 and "Method for the Determination of Asbestos in Bulk Building Materials", EPA 600/R-93/116, July 1993. None Detected: not detected at/or below the detected limit of method (Reporting limit: 1% Asbestos). Glass fiber is analyzed for quality control blank. TESC recommends by point count or Transmission Electron Microscopy (TEM), for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by Polarized Light Microscopy (PLM). Both services are available for an additional fee. This report shall not be reproduced, except in full written approval of Triangle Environmental Service Center, Inc. This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This test report relates only to the item(s) tested.

NVLAP Lab Code: 200794-0

[LEGEND NAD=No Asbestos Detected, Lino.=Linoleum, JC=Joint Compound]

Reviewed By Authorized Signatory:



Feng Jiang, MS Senior Geologist, Laboratory Director
Yuedong Fang, Senior Geologist

160419A

Lodge Environmental Inc. Chain of Custody Record

Triangle Env. Service
Center13509 Boundary Road
Suite B
Midlothian, VA 23112Office 804-739-1751
Fax 804-739-1753www.tesclab.comClient: Lodge EnvironmentalAddress: 2084 Roosevelt Blvd suite ACity, State, Zip: Eugene, OR 97402Contact: Micah WrenPhone: 541-461-8001 Fax: 541-461-5453Other info/Special Instructions: email results in .pdf format to:micah.lodge@comcast.net

Analytical Protocol:

☒ PLM - Visual estimate
☐ PLM - Pt. Count
☐ PLM - Gravimetric
☐ AHERA
☐ EPAII, Mod EPA II,
☐ NIOSH 7402
☐ ISO 10312, ISO 13794
☐ TEM Bulk Semi-Quant
☐ TEM Bulk Quant
☐ ASTM Surface Dust
Other Chrome6Requested
Turnaround
Time:☐ 5 days
☐ 3 days
☐ 2 days
☒ 24 hours
☐ 8 hours
☐ 6 hours
☐ 4 hoursProject Address: 85960 Eden Vale Rd. #31 Pleasant Hill OR

Project Name: _____

Sample ID	Sample location	Sample description	Date
LE-001	<u>Kitchen/Utility - Floor - (North Bed)</u>	<u>Vinyl</u>	
LE-002	<u>Exterior window/Doors</u>	<u>Sealant / Putty</u>	
LE-003	<u>Roof</u>	<u>Paint On Roofing</u>	
LE-004			
LE-005			
LE-006			
LE-007			
LE-008			
LE-009			
LE-010			
LE-011			
LE-012			
LE-013			
LE-0014			

Relinquished by:

Micah WrenDate: 4-18-16Signature: [Signature]

Received by:

[Signature]

Date:

4/19/16

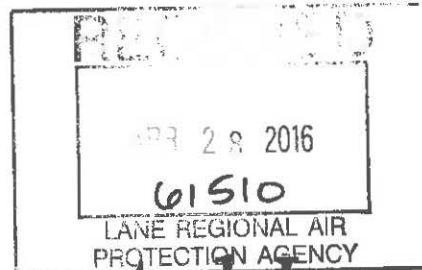
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Gordon Goodell

(b) (6)

Cottage Grove, Oregon 97424

April 20, 2016

Project # 16-04-157

Asbestos Abatement Service Estimate

Job site: **85961 Edenvale Rd. #31 Pleasant Hill, Oregon 97455**

Type: **Demolition** Contact: Gordy Phone: 541-870-3296

Email: (b) (6)

Scope of work & asbestos standards:

1. **Scope of work:** All materials and equipment to perform the asbestos abatement and proper disposal of asbestos containing window sealants (and non asbestos windows) and roofing material from the residence.
2. **Supervisors & workers:** All asbestos supervisors and workers hold a valid Oregon DEQ asbestos card and are annually medically monitored for physical fitness.
3. **Worker Personal Protection Equipment (PPE):** All employees are provided and instructed in proper use all personal protective equipment used during this project. Personal protection equipment includes, but is not limited to: hard hats, safety glasses or goggles, proper respirator protection, safety vest, boots with steel toes, protective coveralls, cut resistant gloves
4. **Engineering controls and work practices:** Negative Pressure Enclosure (NPE) systems will be constructed onsite for specific material removal. Four air changes per hour shall be maintained in the NPE and a minimum of - 0.02 column inches of water pressure differential, relative to outside pressure, shall be maintained within the NPE as evidenced by manometric measurements. Decontamination area are enclosed area adjacent and connected to the regulated area and consisting of an equipment room, shower area, and clean room, which is used for the decontamination of workers, materials, and equipment that are contaminated with asbestos. Vacuuming: HEPA-filtered vacuuming equipment shall be used for vacuuming asbestos containing waste and debris.
5. **Air monitoring:** The employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter of air as an eight (8)-hour time-weighted average.
6. **Air clearance testing and inspection:** NIOSH approved and accredited analytical air sampling and post project visual inspection for compliance from a certified independent 3rd party laboratory.
7. **Disposal of asbestos waste:** All asbestos-containing waste materials must be adequately wetted to ensure that they remain wet until delivered to an authorized landfill, and packaged in leak-tight containers such as two plastic bags each with a minimum thickness of 6 mil. Or metal drum. Containers must be labeled as follows: A warning label that states: **DANGER Contains Asbestos Fibers Avoid Creating Dust Cancer and Lung Disease Hazard Avoid Breathing Airborne Asbestos Fibers.** All asbestos-containing waste material must be deposited as soon as possible by the asbestos waste generator at a waste disposal site authorized by the Department and operated in accordance with this rule. Ensure that off-loading of asbestos-containing waste material is done under the direction and supervision of the landfill operator, and that it is accomplished in a manner that prevents the leak-tight transfer containers from rupturing and prevents the release of visible emissions to the air. Ensure that off-loading of asbestos-containing waste material occurs at the immediate location where the waste will be buried and restrict public access to off-loading area until waste is covered. Transportation and proper disposal of all asbestos containing waste material to an Oregon Department of Environmental Quality (DEQ) sanctioned waste facility.
8. **Permits & Notifications:** Lane Regional Air Pollution Authority (LRAPA) or Department of Environmental Quality (DEQ) ten day notifications to remove asbestos containing materials, permit filled and paid.
9. **Scaffolding or Aerial lifts (if applicable):** Oregon Occupational Safety and Health Division (OR-OSHA) regulations Division 3 (1926.450-454) concerning the erection, installation, proper use and codes will be followed



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by all parties supplying such devices for this project. If scaffolding does not meet the initial or daily inspection by the onsite supervisor, work will be canceled until the safety issue is resolved.

10. **Electrical power requirements:** Lodge Environmental Inc. will require (2) 15 amp 120 volt circuits w/ breakers for each 200 square feet of interior asbestos abatement. For exterior abatements (3) 15 amp 120 volt circuits, for any size project. Power must be provided by property owner free of charge. If the site no longer has electrical power a generator can be provided for an additional cost.
11. **Water requirements:** Lodge Environmental Inc. will require an onsite source for OR-OSAH "Potable water" DIV 3 1926.51(6) and 437-003-0015. If no water is available arrangements can be made for an additional cost.

This cost estimate **does not include** the following:

1. **Material replacement:** Replacing or re-installing any abated or removed surfaces/materials. All asbestos material will be removed until it is no longer visible.
2. **Moving contents:** Moving or manipulating any contents, appliances or objects out of the abatement area. All contents must be off the floor and off the walls within the abatement area, prior to our arrival. There must be a path leading into the abatement area. If contents are present, we will move them and charge you for this service.
3. **Re-installing fixtures:** Re-installing any fixtures, toilets, bath tubs, trim or lights that were removed to perform the abatement.
4. **Appliances:** Moving, disconnecting or re-installing any appliances or cabinets that may be in the abatement area(s).
5. **After hour work:** Any work performed by request after hours, weekends or holidays will be double the labor rate.
6. **Hygiene facilities:** Property owner and/or general contractor must provide proper hygiene facilities (bathroom) or allow access to them onsite, as per Oregon OSHA regulations 437-003-0015 C 1.
7. **Site preparation:** Any additional work or equipment that will be needed to be performed to prep the abatement area will cost additional, i.e. generators, portable bathrooms, moving of contents.

Cost of Service

Oregon DEQ Asbestos certified & medically monitored labor	1520.00
Materials & equipment	100.00
Packaging, disposal and transportation of hazardous materials	200.00
Worker personal protective equipment – level C Hazmat equipment	90.00
OSHA Worker personal air sampling & monitoring	50.00
OSHA Area air sampling & monitoring	50.00
Lane Regional Air Pollution Authority	100.00
Administration fee	50.00
Profit & Overhead	216.00
Total for Services	2376.00

(Two thousand three hundred seventy six dollars and zero cents)



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Note: Lodge Environmental Inc. will provide all insurance, certified labor, materials, licenses and fees to complete this project according to all local, state and federal guidelines and regulations.

All contents must be off the floor and off the walls within the abatement area, prior to our arrival. There must be a path leading into the abatement area. If contents are present, we will move them and charge you for this service.

Lodge Environmental Inc. operates on signed legal contract and 50% down deposit by the property owner or authorized agent. Any project over \$1000.00 Oregon Law requires the contractor to provide the property owner with Oregon lien law information.

This estimate is only valid for 60 calendar days. This is an estimate and does not constitute a contract or agreement between parties.

Respectfully Submitted,

Micah B. Wren

Micah B. Wren

Asbestos Building Inspector #: 155217

Asbestos Supervisor #: S-13944